



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Inventor(s): Adar, et al.
Appln. No.: 10/033,586
Confirm. No.: 9210
Filed: November 2, 2001
Title: USER PROFILE CLASSIFICATION BY
WEB USAGE ANALYSIS

PATENT APPLICATION

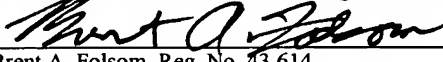
Art Unit: 2161
Examiner:

Customer No. 23910

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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

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Brent A. Folsom, Reg. No. 43,614
Signature Date: August 20, 2002

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INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56

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It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56. If this is a continuation, divisional or continuation-in-part application, it is understood that the Examiner will consider all information which was considered by the Office in a parent application. MPEP §609. Such information therefore is not listed herein unless it is desired that the information be printed on a patent issuing from the subject application.

Enclosed with this statement are the following:

- ✓ Form PTO-1449. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. §609.
- ✓ A copy of each cited document as required by 37 C.F.R. §1.98. Copies are not submitted of documents previously submitted by the applicant in a parent application from which benefit under 35 U.S.C. §120 is claimed, 37 C.F.R. §1.98(d)(1), with an information disclosure statement submitted in the parent application which complies with the Sept. 8, 2000 or subsequent revision of 37 C.F.R. §1.98(a-c). If any of the cited/submitted documents is in a foreign language, a concise explanation of relevance is provided pursuant to 37 C.F.R. §1.98(a)(3)(i). For foreign language documents cited in a search report by a foreign patent office, the requirement for a concise explanation of relevance is satisfied by the submission herewith of an English language version of the search report. MPEP §609A(3). If a written English-language translation of a non-English language document, or portion thereof, is within the possession, custody or control of, or is readily available to any individual designated in §1.56(c), a copy of the translation accompanies this statement, 37 C.F.R. §1.98(a)(3)(ii), and satisfies the requirement for a concise explanation of relevance, MPEP §609A(3).

This statement should be considered because:

☒ **37 C.F.R. §1.97(b).** This statement qualifies under 37 C.F.R. §1.97, subsection (b) because:

- (1) It is being filed within three months of the filing date of an application other than a continued prosecution application under § 1.53(d);
-- OR --
- (2) It is being filed within 3 months of entry of a national stage;
-- OR --
- (3) It is being filed before the mailing date of the first Office Action on the merits,
-- OR --
- (4) It is being filed before the mailing date of the first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. §1.114.

☒ **Fee Authorization.** The Commissioner is hereby authorized to charge underpayment of any additional fees or credit any overpayment associated with this communication to Deposit Account No. 06-1325. A duplicate copy of this authorization is enclosed.

Remarks

Applicants respectfully request that the Examiner review the enclosed documents which have been cited on the attached PTO-1449 form.

Regarding the book: Gordon, A.D., "Classification: 2nd Edition," Chapman & Hall, 1999 (enclosed herewith), Applicants respectfully submit that measures of similarity are discussed on pages 17-23, and partitioning techniques are discussed on pages 35-65.

Regarding the book: James, M., "Classification Algorithms," John Wiley & Sons, Inc., 1985 (enclosed herewith), Applicants respectfully submit that the book may be cumulative, but is submitted in order that the Examiner may be fully informed pursuant to 37 C.F.R. § 1.56.

Regarding the paper: Toutanova, et al., "Text Classification in a Hierarchical Mixture Model for Small Training Sets," <http://www.stanford.edu/~krist/papers/cikm2001.pdf>, 08/29/2001 (enclosed herewith), Applicants respectfully request that the entire document be reviewed, and also direct the Examiner to review Sections 2.2 and 3.2.2 in particular.

Respectfully submitted,

Date: 8/20/02

By: 
Brent A. Folsom, Reg. No. 43,614

FLIESLER DUBB MEYER & LOVEJOY LLP
Four Embarcadero Center, Fourth Floor
San Francisco, California 94111-4156
Telephone (415) 362-3800



Form PTO-1 (Substitute) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket Number D/A0050	Serial/Patent Number 10/033,586
	Applicant/Patent Owner Adar, et al.		
	Filing/Issue Date November 2, 2001	Group Art Unit 2161	

U.S. PATENTS

Examiner Initial	Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date

U.S. PATENT PUBLICATIONS

Examiner Initial	Patent Application Publication Number	Publication Date	Applicant

PENDING U.S. PATENT APPLICATIONS

Examiner Initial	Application Number	Filing Date	First Named Inventor	Petition to Expunge? Yes No

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Publication Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Include author (if any), title, publisher and place of publication, date and pertinent pages)

1.	"The Binomial Distribution," http://www.stat.yale.edu/Courses/1997-98/binom.htm , 05/18/2001.
2.	"Web Usage Analysis and User Profiling," http://www.acm.org/sigkdd/proceedings/webkdd99/ , KDD-99 Workshop Program, San Diego, CA, 08/15/1999.
3.	"Web Usage Analysis and User Profiling," http://www.acm.org/sigkdd/proceedings/webkdd99/toconline.htm , KDD-99 Workshop Program, San Diego, CA, 08/15/1999.
4.	Bilmes, J.A., "A Gentle Tutorial of the EM Algorithm and its Application to Parameter Estimation for Gaussian Mixture and Hidden Markov Models," International Computer Science Institute, TR-97-021, 04/1998.
5.	Borges, J., et al., "Data Mining of User Navigation Patterns," http://www.acm.org/sigkdd/proceedings/webkdd99/papers/paper7-borges.ps , KDD-99 Workshop Program, San Diego, CA, 08/15/1999.
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26.	Toutanova, et al., "Text Classification in a Hierarchical Mixture Model for Small Training Sets," http://www.stanford.edu/~krist/papers/cikm2001.pdf , see entire document and Sections 2.2 and 3.2.2 in particular, 08/29/2001.
27.	Vasconcelos, et al., "A Bayesian framework for semantic content characterization," In Proc. Of IEEE Conf. On Computer Vision and Pattern Recognition, CVPR '98, pages 566-571, Santa Barbara, 6/1998.
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Examiner _____ Date Considered _____	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
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